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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/584,710	06/26/2006 Masao Otsuka		Q95056	3837
23373 SUGHRUE MI	7590 10/06/200 ON, PLLC	EXAMINER		
2100 PENNSY	LVÁNIA AVENUE, N	BUIE, NICOLE M		
SUITE 800 WASHINGTO	N, DC 20037		ART UNIT	PAPER NUMBER
			1796	
		MAIL DATE	DELIVERY MODE	
			10/06/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		1	Application No.		Applicant(s)				
			10/584,710		OTSUKA ET AL.				
		Ī	Examiner		Art Unit				
			NICOLE M. BU		1796				
Period fo	The MAILING DATE of this commu or Reply	nication appea	ars on the cov	er sheet with the c	orrespondence ac	ldress			
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Status									
1)[\	Responsive to communication(s) file	ed on 11 Sen	otember 2008						
•		2b)⊠ This a							
—		<i>′</i> —			secution as to the	a marite is			
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
	closed in accordance with the pract	ice didei Lx	parte Quayre	, 1000 O.D. 11, 40	0.0.210.				
Dispositi	on of Claims								
4)🛛	Claim(s) <u>1-5</u> is/are pending in the application.								
·	4a) Of the above claim(s) is/a	are withdrawn	n from consid	eration.					
	Claim(s) is/are allowed.								
· · · · · · · · · · · · · · · · · · ·	☐ Claim(s) is/are allowed. ☐ Claim(s) <u>1-5</u> is/are rejected.								
· · · · · · · · · · · · · · · · · · ·									
-	☑ Claim(s) <u>1-5</u> is/are objected to. ☑ Claim(s) are subject to restriction and/or election requirement.								
ا ال	are subject to resur	otion and/or c	Sicolion requi	oment.					
Applicati	on Papers								
9) 🔲 '	The specification is objected to by the	ne Examiner.							
10)	The drawing(s) filed on is/are	: а)∐ ассер	oted or b) □ c	bjected to by the I	Examiner.				
•	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including	g the correction	n is required if	the drawing(s) is ob	ected to. See 37 C	FR 1.121(d).			
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	ınder 35 U.S.C. § 119								
	Acknowledgment is made of a claim	for foreign p	riority under 3	35 U.S.C. § 119(a)	-(d) or (f).				
a)[a) All b) Some * c) None of:								
	1. Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents have been received in Application No								
	3. Copies of the certified copies of the priority documents have been received in this National Stage								
	application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.									
Attachman	He)								
Attachment	e of References Cited (PTO-892)		۸ιΓ	Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date									
3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application									
Paper No(s)/Mail Date 6) Uther:									

DETAILED ACTION

Response to Amendment

The amendment filed 04/21/2008 has been entered. Claims 1 and 2 remain pending in the application.

Claim Objections

Claims 1-5 are objected to because of the following informalities: the parenthesis surrounding the limitation "wherein...cation" because it is unclear whether the limitations within the parenthesis is part of the claimed invention. Appropriate correction is required.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tang (US 6,512,063) in view of Bekele et al. (US 2003/0068346) as evidenced by Jagannath et al. (US 6,767,882) and Pabon et al. (US 6,521,730).

Regarding claims 1 and 2, Tang discloses a process for preparing a fluoropolymer (Abstract) containing at least one kind of fluoroolefin (C2/L28-32), which comprises carrying out polymerization in the presence of a hydrocarbon surfactant (Abstract), wherein said surfactants are linear.

However, Tang does not disclose a branched surfactants. Bekele et al. teaches secondary alkane sulfonates [0102]. Tang and Bekele et al. are analogous art concerned with the same technical difficulty, namely sulfonate surfactants. It would have been obvious to one of ordinary

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skill in the art at the time of invention to substitute a secondary carbonyl group of Bekele et al. with the linear carbonyl group of a sulfonate of Tang, and the motivation to do so would have been as Jagannath et al. suggests to use a surfactant with higher hydrophobicity (C8/L8-21) and hydrophobic fluoromonomers are able to be dissolved as evidenced by Pabon et al. (C2/L10-14).

Regarding claim 3, Tang discloses the alkyl group being from 7 to 18 carbon atoms (Abstract, C2/L5-9).

Regarding claim 4, Tang discloses the process wherein the polymerization is polymerization for preparing a seed particle (C22/L8-9).

Regarding claim 5, Tang discloses the process wherein the fluoroolefin is 1, 1-difluoroethylene ("vinylidene fluoride", C2/L31).

Response to Arguments

Applicant's arguments with respect to **claims 1-5** have been considered but are moot in view of the new ground(s) of rejection.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NICOLE M. BUIE whose telephone number is (571)270-3879. The examiner can normally be reached on Monday-Thursday with alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Eashoo can be reached on (571)272-1197. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 1796

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Mark Eashoo, Ph.D./
Supervisory Patent Examiner, Art Unit 1796

/N. M. B./ Examiner, Art Unit 1796 9/25/2008